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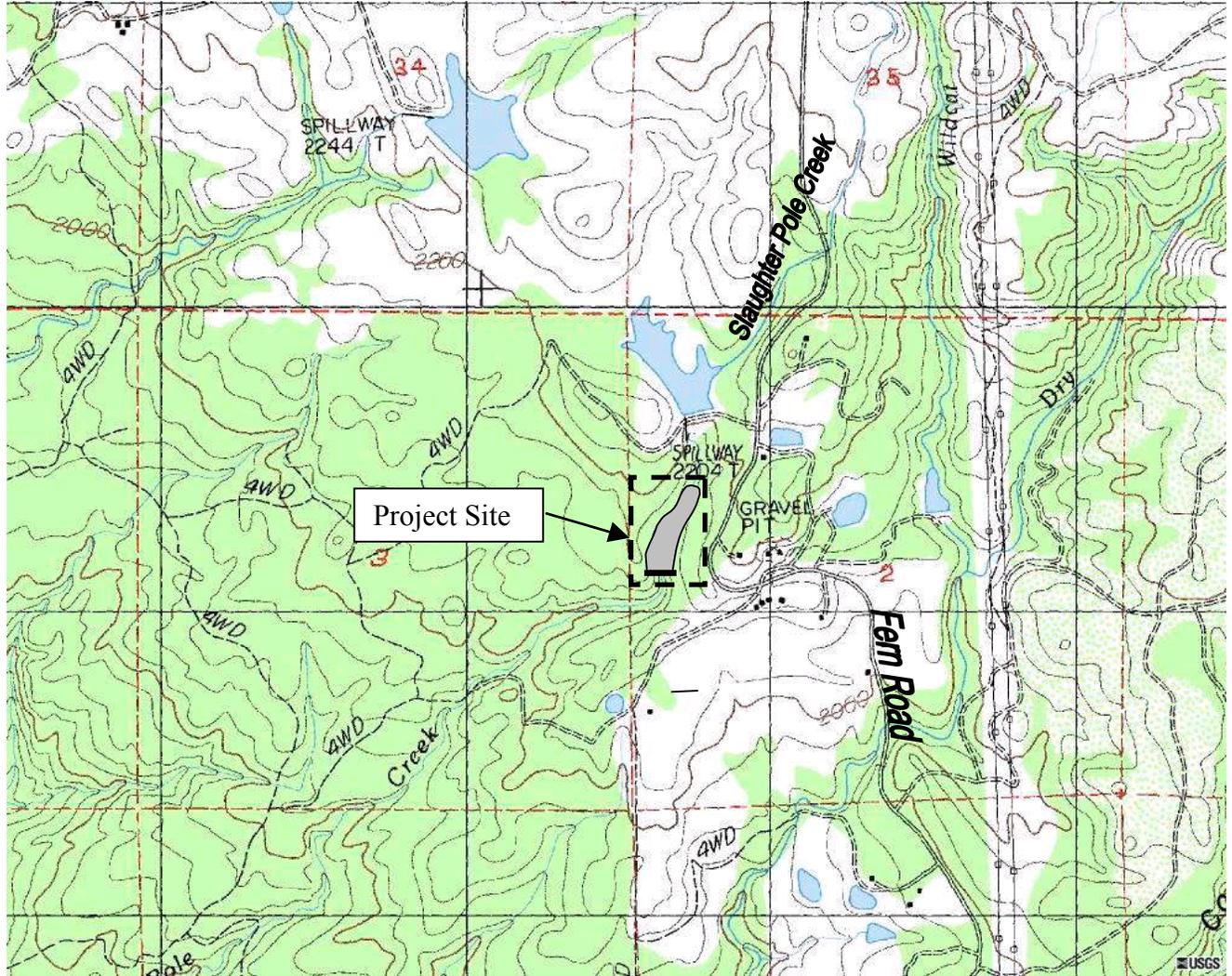
**MAKENZE DAM  
 SHASTA COUNTY, CALIFORNIA  
 ACOE #200600074**

**REGIONAL LOCATION  
 Section 2, T32N, R1W**

DATE: March 2007

FILE: PN Figure 1

**Figure #1**



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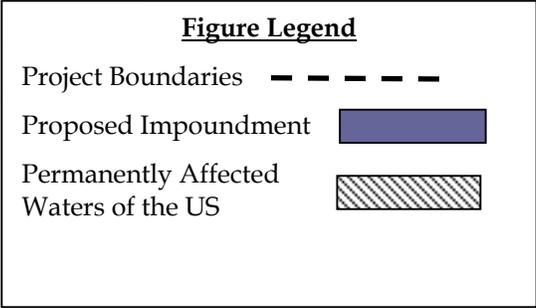
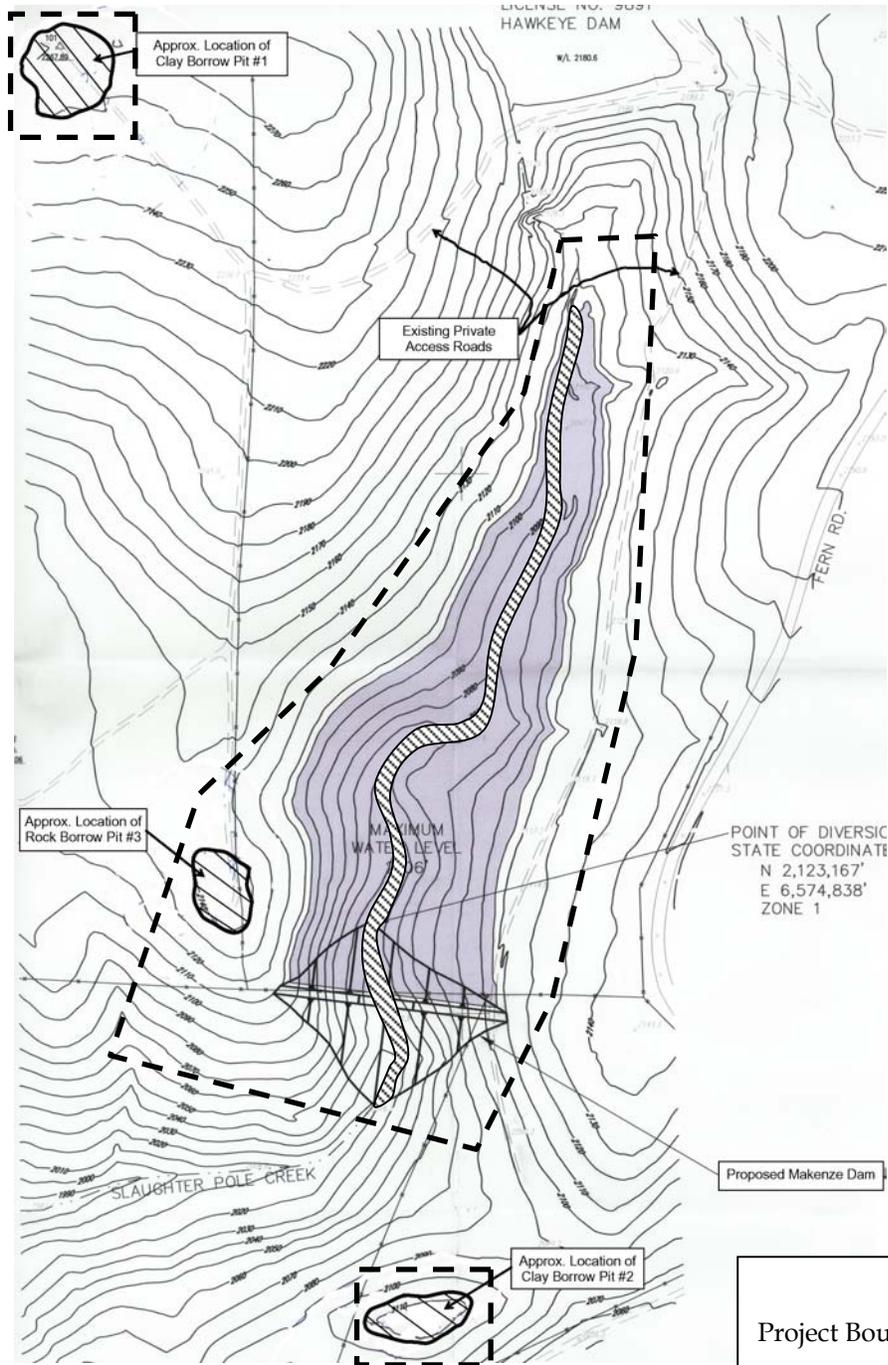
**MAKENZE DAM**  
**SHASTA COUNTY, CALIFORNIA**  
**ACOE #200600074**

**GENERAL LOCATION**  
 Section 2, T32N, R1W

DATE: December 6, 2005

FILE: PN Figure 2

**Figure #2**



**SH**  
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**MAKENZE DAM**  
**SHASTA COUNTY, CALIFORNIA**  
**ACOE #200600074**

**PROJECT MAP**  
 Section 2, T32N, R1W

DATE: December 6, 2005

FILE: PN Figure 3

**Figure #3**

**Project Description**  
**Makenze Dam**  
**#200600074**

The Alan Shufelberger Ranch is proposing to construct a private earthen dam to impound water within the stream channel of Slaughter Pole Creek, creating the Makenze Dam (Project). The Project location is Section 2, T32N, R1W, MDM, Shasta County, California. Slaughter Pole Creek is an intermittent stream channel that currently has an agriculture dam and reservoir constructed above the proposed site. The Project will be constructed on private land owned by the Ranch and will utilize earthen materials from Ranch properties. Water stored at the site will be from seasonal run-off and from water diverted to the site under an existing water right. Water stored by this Project will be used for on-going agricultural operations at the Ranch.

**Dam Construction**

- 65-feet high.
- 340-feet wide at Base and 416-feet wide at Top (perpendicular to channel).
- Storage of approximately 160 acre-feet of water for irrigation and stock water.
- Approximately 7.75 surface acres of water will be created.
- Use of approximately 85,500 cubic yards of soils from nearby sites for use as construction materials.
- Footprint of dam is anticipated to be 2-acres.
- Dam footprint will impact approximately 0.07 acres of waters of the United States.

**Borrow Pits**

- Borrow Pit #1-will provide approximately 25, 000 cubic yards of material.
- Borrow Pit #2-will provide approximately 10,000 cubic yards of material.
- Borrow Pit #3-will provide approximately 62,000 cubic yards of material.
- An additional volume of approximately 5,000 cubic yards will be taken from the stream channel below the base of the dam.

**Waters of the United States Information**

- Affected stream: Slaughter Pole Creek, an intermittent stream.
- 1,350 linear feet of riparian/stream area to be impacted by the impoundment of water behind the dam.
- Approximately 0.31 acres of waters of the United States.